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## TRANSMITTAL FORM

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		Application Number	10/738,370
		Filing Date	December 15, 2003
		First Named Inventor	Andrews
		Art Unit	
		Examiner Name	
Total Number of Pages in This Submission	38	Attorney Docket Number	02510

ENCLOSURES (Check all that apply)		
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Remarks 5 references identified as nos. 10-14 on the Information Disclosure Statement Return receipt postcard		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Nora M. Tocups
Signature	
Date	March 30, 2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrews

Serial No.: 10/738,370 Examiner: Not Assigned

Filed: 12/15/03 Group Art Unit: 2643

# For: METHODS AND SYSTEMS OF SPAN DESIGN

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Dear Sir:

The citation of information on the attached Form PTO/SB/08, is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. Of the references cited, only reference nos. 10-14 are enclosed. The undersigned does not concede any of the identified materials constitute prior art within the meaning of the United States patent laws. This Information Disclosure Statement is being filed before the mailing of the first Office Action on the merits; therefore, no payment is enclosed.

Respectfully submitted,

Nora M. Tocups  
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**CERTIFICATE OF MAILING (37 CFR 1.8a)**

I hereby certify that this correspondence, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on March 30, 2004 with sufficient postage as first-class mail in an envelope addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Nora M. Tocups  
Nora M. Tocups



APR 01 2004

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PTO/SB/08A (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**Substitute for Form 1449/A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

<b>Complete if Known</b>	
<b>Application Number</b>	10/738,370
<b>Filing Date</b>	December 15, 2003
<b>First Named Inventor</b>	Andrews
<b>Group Art Unit</b>	
<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	0201-02510

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
1	6,459,702			Saaverda	10/01/2002	
2	6,343,332			Ueda	01/29/2002	
3	6,091,713			Lochleider et al.	07/18/2000	
4	6,084,946			Beierle	07/04/2000	
5	6,085,956			Beierle	07/04/2000	
6	5,978,449			Needle	11/02/1999	
7	5,864,602			Needle	01/26/1999	

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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<p>Substitute for Form 1449/A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>		<b>Complete if Known</b>	
		Application Number	10/738,370
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		First Named Inventor	Andrews
		Group Art Unit	
		Examiner Name	
Sheet	2	of	2
		Attorney Docket Number	

#### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

10	"HEDLUND, E. et al., "DSL Loop Test," <i>Telephony</i> , August 24, 1998 (XP02147002)
11	"ADSL Tutorial – Twisted Pair Access to the Information Highway," <a href="http://indy.ids.net/adsl/tutorial.html">http://indy.ids.net/adsl/tutorial.html</a>
12	"Extending Asymmetric Digital Subscriber Line (ADSL) Services to Remote Digital Loop Carrier (DLC) Locations," <i>The International Engineering Consortium</i> , Web ProForum Tutorials <a href="http://www.iecorg">http://www.iecorg</a> , pp.1-19
13	"General Introduction to Copper Access Technologies," <i>ADSL Forum</i> , 1998 ( <a href="http://www.adsl.com/general_tutorial.html">http://www.adsl.com/general_tutorial.html</a> )
14	"Making Connection Using ADSL," <a href="http://www.epl.co.uk/fastlane.htm">http://www.epl.co.uk/fastlane.htm</a> , printed 6/15/00

Examiner Signature		Date Considered	
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.